THERMOLAST® K TP6CDE (Series: EX)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The EX Series is your material solution for extrusion applications such as door seals and window gaskets. The compounds are available in natural and black colors. Typical applications Edge guards Profiles for furniture Seals for windows and doors Material advantages Alternative material to PVC-P Easy coloring (compounds in natural colors) Easy to extrude Excellent mechanical properties Excellent weldabililty Halogen-free No interaction with other materials (e.g. PVC-U, PP, PS, ABS, POM, PA, PC, PMMA) Recyclable Resistant to acrylic paints

General Information			
Features	Good Colorability		
	Halogen Free		
	Recyclable Material		
	Weldable		
Uses	Furniture		
	Gaskets		
	Profiles		
	Seals		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	55		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	5.50	MPa	ISO 37
Tensile Elongation ² (Break)	700	%	ISO 37
Tear Strength ³	22	kN/m	ISO 34-1
Compression Set ⁴			ISO 815

-25°, 24 hr70%23°C, 72 hr18%70°C, 24 hr50%Fxtrusion50%ExtrusionNominal ValueUnitDrying Temperature60.0 to 80.0°CDrying Time20.to 4.0hrCylinder Zone 1 Temperature140°CCylinder Zone 2 Temperature150°CDrying Temperature160°CDrying Temperature80 to 190°CDrying Temperature100 to 200 mm/minDrying Temperature192 S200 mm/min1.Type S2, 200 mm/min3.Method Bk, Angle (Nicked)				
T0°C, 24 hr50%ExtrusionNominal ValueUnitDrying Temperature60.0 to 80.0°CDrying Time2.0 to 4.0hrCylinder Zone 1 Temp.140°CCylinder Zone 3 Temp.150°CDie Temperature160°CNOTEIsto 190°C1.Type S2, 200 mm/min2.Type S2, 200 mm/min	-25°C, 24 hr	70	%	
ExtrusionNominal ValueUnitDrying Temperature600 to 80.0°CDrying Time2.0 to 4.0hrCylinder Zone 1 Temp.140°CCylinder Zone 2 Temp.150°CDie Temperature160°CDie Temperature180 to 190°CNOTE19e S2.200 mm/min2.2.Type S2.200 mm/min	23°C, 72 hr	18	%	
Drying Temperature 60.0 to 80.0 °C Drying Time 2.0 to 4.0 hr Cylinder Zone 1 Temp. 140 °C Cylinder Zone 2 Temp. 150 °C Cylinder Zone 3 Temp. 160 °C Die Temperature 180 to 190 °C NOTE Type S2, 200 mm/min °C 2. Type S2, 200 mm/min °C	70°C, 24 hr	50	%	
Drying Time2.0 to 4.0hrCylinder Zone 1 Temp.140°CCylinder Zone 2 Temp.150°CCylinder Zone 3 Temp.160°CDie Temperature180 to 190°CNOTEType S2, 200 mm/min12.Type S2, 200 mm/min	Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.140°CCylinder Zone 2 Temp.150°CCylinder Zone 3 Temp.160°CDie Temperature180 to 190°CNOTE1Type 52, 200 mm/min2.Type 52, 200 mm/min	Drying Temperature	60.0 to 80.0	°C	
Cylinder Zone 2 Temp.150°CCylinder Zone 3 Temp.160°CDie Temperature180 to 190°CNOTEType S2, 200 mm/min1.2.Type S2, 200 mm/min	Drying Time	2.0 to 4.0	hr	
Cylinder Zone 3 Temp.160°CDie Temperature180 to 190°CNOTEType S2, 200 mm/minType S2, 200 mm/min2.Type S2, 200 mm/minCommon Section Secti	Cylinder Zone 1 Temp.	140	°C	
Die Temperature 180 to 190 °C NOTE Type S2, 200 mm/min Type S2, 200 mm/min 2. Type S2, 200 mm/min	Cylinder Zone 2 Temp.	150	°C	
NOTE Type S2, 200 mm/min 2. Type S2, 200 mm/min	Cylinder Zone 3 Temp.	160	°C	
Type S2, 200 mm/min 2. Type S2, 200 mm/min	Die Temperature	180 to 190	°C	
2. Type S2, 200 mm/min	NOTE			
	1.	Type S2, 200 mm/min		
3. Method Bb, Angle (Nicked)	2.	Type S2, 200 mm/min		
	3.	Method Bb, Angle (Nicked)		
4. Method A	4.	Method A		

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Recommended distributors for this material

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