

DynaChar™ XP-2235

Thermoplastic Polyurethane Elastomer

Polymer Dynamix

Message:

Flame Retardant TPU
Features:
Excellent Chemical Resistance
Low Temperature Properties
Good Processability
Halogen Free
Applications:
Wire and Cable
Industrial
Automotive

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Processability		
	Halogen Free		
	Low Temperature Flexibility		
	Low Temperature Impact Resistance		
	Low Temperature Strength		
Uses	Automotive Applications		
	Industrial Applications		
	Wire & Cable Applications		
Processing Method	Injection Molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8.27	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	60.7	MPa	ASTM D790
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 6.0	hr	
Rear Temperature	160 to 168	°C	
Middle Temperature	166 to 174	°C	

Front Temperature	168 to 174	°C
Nozzle Temperature	168 to 174	°C
Processing (Melt) Temp	168 to 174	°C
Mold Temperature	10.0 to 37.8	°C
Injection Pressure	68.9 to 138	MPa
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm ²

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