

Kumho ABS 775EG

Acrylonitrile Butadiene Styrene
Korea Kumho Petrochemical Co., Ltd.

Message:
Features: General ectrusion molding use
Applications: Edge bands

General Information			
Processing Method	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
200°C/21.6 kg	8.0	g/10 min	ASTM D1238
220°C/10.0 kg	5.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.50 - 0.80	%	ASTM D955
--	0.50 - 0.80	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	103		ASTM D785
R scale	103		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	42.2	MPa	ASTM D638
Yield	41.0	MPa	ISO 527-2
Tensile Elongation			
Yield	25	%	ASTM D638
Fracture	27	%	ISO 527-2
Flexural Modulus			
--	1960	MPa	ASTM D790
--	2100	MPa	ISO 178
Flexural Stress			
--	61.0	MPa	ISO 178
Yield	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	32	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.20 mm	410	J/m	ASTM D256
23°C, 6.40 mm	290	J/m	ASTM D256
23°C	31	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	91.0	°C	ISO 75-2/B
1.8 MPa, not annealed	85.0	°C	ASTM D648
1.8 MPa, not annealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50, ASTM D1525 1
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	速率 A (50°C/h), 载荷2 (50N)		

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