

Alcryn® 5080 BK

Melt Processable Rubber

Advanced Polymer Alloys

Message:

Alcryn® 5080 BK is a melt processable rubber (MPR) material. This product is available in North America, Europe or the Asia-Pacific region. The processing methods are: blow molding, extrusion, thermoforming, calendering or injection molding.

Alcryn®The main features of 5080 BK are:

Comply with WEEE standard

ROHS certification

chemical resistance

Good UV resistance

Good flexibility

Typical application areas include:

Hose

application of coating

sheet

Wire and cable

engineering/industrial accessories

General Information	
Features	Flexibility at low temperatures
	High energy absorption
	Shock absorption
	Noise reduction
	Good UV resistance
	Good heat aging resistance
	Ozone resistance
	Good chemical resistance
	Good weather resistance
	Oil resistance
Uses	Handle
	Wire and cable applications
	Washer
	Pipe
	Pipe fittings
	Seals
	Weather-resistant sealing strip
	Sheet
	Coating application
	Profile
Agency Ratings	Fabric coating
Agency Ratings	EU 2002/96/EC (WEEE)

RoHS Compliance	RoHS compliance
Appearance	Black
Forms	Particle
Processing Method	Blow molding Extrusion Thermoforming Calendering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	77		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	6.45	MPa	ASTM D412
Tensile Strength (Break)	12.3	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Compression Set			
24°C	14	%	ASTM D395
70°C, 22 hr	62	%	ASTM D395B

Additional Information

The values listed as Specific Gravity, ASTM D792, were tested in accordance with ASTM D471. Melt Viscosity: 708 sec-1 Property Retention after 4000 hrs QUV: 91

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