

DuraGrip® DGR 6280CL

Thermoplastic Elastomer

Advanced Polymer Alloys

Message:

DuraGrip® 6280CL is a clear Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. DuraGrip® 6280CL has excellent clarity, soft-touch feel, low melt viscosity, and bonds well to polypropylene. DuraGrip® 6280CL is also FDA compliant pursuant to 21 C.F.R. 177.2600. DuraGrip® 6280CL is not hygroscopic and under normal conditions does not require drying.

General Information			
Features	Low viscosity		
	Good adhesion		
	Definition, high		
Agency Ratings	EU 2002/96/EC (WEEE)		
	FDA 21 CFR 177.2600		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.885	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	39	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	81		ASTM D2240, ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412, ISO 37
100% strain	4.83	MPa	ASTM D412, ISO 37
300% strain	5.72	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	8.20	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	490	%	ASTM D412, ISO 37
Tear Strength ¹	49.6	kN/m	ASTM D624
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (190°C, 200 sec ⁻¹)	103	Pa · s	ASTM D3835
Additional Information			
The value listed as Density -Specific Gravity, ASTM D792, was tested in accordance with ASTM D471.The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.			
NOTE			

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