

# DuraGrip® DGR 6270CL

Thermoplastic Elastomer

Advanced Polymer Alloys

## Message:

DuraGrip® 6270CL is a clear Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. It has excellent clarity, soft-touch feel, and bonds well to polypropylene. DuraGrip® 6270CL is also FDA compliant pursuant to 21 C.F.R. 177.2600. DuraGrip® 6270CL is not hygroscopic and under normal conditions does not require drying.

General Information	
Features	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 <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	69		ASTM D2240, ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412, ISO 37
100% strain	3.17	MPa	ASTM D412, ISO 37
300% strain	4.07	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	7.65	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	440	%	ASTM D412, ISO 37
Tear Strength <sup>1</sup>	38.2	kN/m	ASTM D624
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (190°C, 200 sec <sup>-1</sup> )	100	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	
1.	C mould

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