

# DuraGrip® DGR 6250CL

## Thermoplastic Elastomer

## Advanced Polymer Alloys

### Product Description

DuraGrip® 6250CL is a Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. DuraGrip® 6250CL has excellent clarity, soft-touch feel, a high coefficient of friction, and bonds well to polypropylene. DuraGrip® 6250CL is also FDA compliant pursuant to 21 C.F.R. 177.2600. DuraGrip® 6250CL is not hygroscopic and under normal conditions does not require drying.

### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Adhesion	• High Clarity	• High Friction
Agency Ratings	• EU 2002/96/EC	• FDA 21 CFR 177.2600	
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.883	g/cm³	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	31	g/10 min	ASTM D1238

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412 ISO 37
100% Strain	1.54	MPa	
300% Strain	2.27	MPa	
Tensile Strength (Yield)	6.85	MPa	ASTM D412 ISO 37
Tensile Elongation (Break)	800	%	ASTM D412 ISO 37
Tear Strength <sup>2</sup>	23.6	kN/m	ASTM D624

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	50		ASTM D2240 ISO 868

Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (190°C, 200 sec <sup>-1</sup> )	136	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.

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Die C