

## Technical Data Sheet

**DuraGrip DGR-6250CLFDANAT**

Thermoplastic Elastomer

**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 can also be FDA compliant. *DuraGrip* 6250CL is not hygroscopic and under normal conditions does not require drying.

<b>Processing Method</b>	Extrusion; Injection Molding
<b>Attribute</b>	Good Adhesion; High Clarity; High Friction
<b>Forms</b>	Pellets
<b>Appearance</b>	Clear/Transparent

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	31	g/10 min	ASTM D1238
Density	0.883	g/cm <sup>3</sup>	ISO 1183
Density - Specific Gravity	0.883	g/cm <sup>3</sup>	ASTM D792
Melt Viscosity, (190 °C, 200 sec <sup>-1</sup> )	136	Pa·s	ASTM D3835
<b>Mechanical</b>			
Tensile Stress at 100%	1.54	MPa	ISO 37
Tensile Stress at 300%	2.27	MPa	ASTM D412
Tensile Strength at Yield	6.85	MPa	ASTM D412
Tensile Stress at Yield	6.85	MPa	ISO 37
Tensile Strain at Break	800	%	ISO 37
Tensile Elongation at Break	800	%	ASTM D412
Tear Strength, (Die C)	23.6	kN/m	ASTM D624
<b>Hardness</b>			
Shore Hardness, (Shore A, 5 sec)	50		ISO 868
Durometer Hardness, (Shore A, 5 sec)	50		ASTM D2240