

R HDPE COMP UV



(High Density Polyethylene)

Smooth – Textured

Density: 0.960g/cm³

PLASTICS Technical Data Sheet

Mechanical Properties	Value⁽²⁾	Unit	Method
<i>Tensile strength at yield</i>	25.0	MPa	ISO 527
<i>Elongation at yield (Break)</i>	>300	%	ISO 527
<i>Flexural Modulus (Tension)</i>	0.70	GPa	ISO 178
<i>Flexural Strength</i>	18.0	MPa	ISO 178
<i>Notched Izod Impact</i>	750	J/m	ASTM D256A
<i>Coefficient of Friction</i>	0.20 – 0.25	-	-
<i>MFI (190°C/2.16kg)</i>	.70	g/10 min	ISO 1133

Thermal & Fire Properties	Value	Unit	Method
<i>Glass Transition Temp (Brittleness)</i>	-95	°C	-
<i>Melting Point</i>	132	°C	-
<i>Service Temperature (Short Term)</i>	100	°C	-
<i>Service Temperature (Long Term)</i>	80	°C	-
<i>Coeff. of Thermal Expansion</i>	12	10-5C	-
<i>Thermal Conductivity</i>	0.47 – 0.49	W/m ² K	-
<i>Specific Gravity</i>	0.97	g/cm	ISO 1183

Electrical Properties	Value	Unit	Method
<i>Surface Resistivity</i>	10 ¹⁵	Ohm	-
<i>Dielectric Strength</i>	45	kV/mm	-
<i>Arc Resistance</i>	136 -185	S	-

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Data for this Technical Data Sheet (TDS) has been gathered from various sources and is presented without any guarantees regarding the accuracy of this data. The properties of recycled HDPE may vary from those listed. Upon request, a material data sheet for virgin HDPE can be provided. Unless otherwise specified, all properties represent averages for the bulk material at ambient temperature of 20°C.