



Technical Data Sheet

MATERIAL:	Poly(4-methyl-1-pentene)																
CATALOG NUMBER:	382																
CAS NUMBER:	25068-26-2																
DESCRIPTION:	Homopolymer of 4-methyl-1-pentene																
FORMULA:	$(C_6H_{12})_x$																
TYPICAL PROPERTIES:	<table><tr><td>Appearance:</td><td>Beads</td></tr><tr><td>Melt flow index:</td><td>70 g/10min</td></tr><tr><td>Density:</td><td>0.830</td></tr><tr><td>Refractive index:</td><td>n_D^{20} 1.463</td></tr><tr><td>Melting point:</td><td>240°C</td></tr><tr><td>Vicat softening point:</td><td>173°C</td></tr><tr><td>Glass transition temp:</td><td>31°C</td></tr><tr><td>Solubility:</td><td>Aliphatic and cycloaliphatic hydrocarbons (all above 80°C)</td></tr></table>	Appearance:	Beads	Melt flow index:	70 g/10min	Density:	0.830	Refractive index:	n_D^{20} 1.463	Melting point:	240°C	Vicat softening point:	173°C	Glass transition temp:	31°C	Solubility:	Aliphatic and cycloaliphatic hydrocarbons (all above 80°C)
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GENERAL INFORMATION:	<p>Poly(4-methyl-1-pentene) is predominantly isotactic and crystalline. With a melting point of 235°C and a high vicat softening point, poly(4-methyl-1-pentene) lends itself to applications where transparency and heat resistance are required, e.g. medical and laboratory ware, ovenware, baking cartons, release paper and heat-resistant wire and cable.</p>																
STRUCTURE:																	

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