

TECHNICAL DATASHEET

PP 500P



PRODUCT DESCRIPTION

PP 500P is a medium flow, multipurpose grade for extrusion and injection moulding applications.

TRPICAL APPLICATION

If applied for extrusion this grade shows an excellent stretch ability and is therefore suitable for tapes and strapping, high tenacity yarns and carpet backing. For thermoforming it shows a unique balance between transparency, impact resistance and thickness uniformity. PP 500P is suitable for production of injection moulded articles e.g. caps and closures and house ware products, where this grade shows a high stiffness, combined with a fair impact resistance and very good surface hardness.

TYPICAL DATA

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	g/10 min	3.1	ISO 1133
Density	kg/m ³	905	ISO 1183
Molecular Weight Distribution	-	Broad	
Isotacticity	-	Medium	
Formulation			
Anti block agent	-	No	
Slip agent	-	No	
Anti static agent	-	No	
Nucleating agent	-	No	
Gas fading stabilized	-	No	
Mechanical properties			
Tensile test			ISO 527
stress at yield	MPa	41	
stress at break	MPa	36	
strain at break	%	600	
Flexural test			ASTM D 790
Flexural modulus	MPa	1550	
Thermal properties			
Vicat softening temperature			
at 10 N (VST/A)	°C	153	ISO 306/A
at 50 N (VST/B)	°C	79	ISO 306/B