

YUHWHA POLYPRO HF5103

PP

Korea Petrochemical Ind. Co., Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	38.3	MPa	ASTM D 638
Elongation at Break	500	%	ASTM D 638
Flexural Modulus	1815	MPa	ASTM D 790
Rockwell Hardness	R 100	-	ASTM D 785
Izod Impact notched, 1/8 in	29	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	167	°C	ASTM D 3418
Vicat Temperature	158	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	910	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Certifications

Food contact, Food approval FDA 21 CFR

Features

Homopolymer

Regional Availability

Asia Pacific