

Product Texts

F5400 is a film grade HM-HDPE produced by the Mitsui CX Technology.

This can be used for general-purpose Films as well as very thin Reinforced bags.

F5400 grade is characterized by excellent processability and high mechanical strength.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.09	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	28	MPa	ASTM D 638
Tensile Strength at Break	40	MPa	ASTM D 638
Elongation at Break	800	%	ASTM D 638
Flexural Modulus	1150	MPa	ASTM D 790
Shore D Hardness	65	-	ASTM D 2240
Izod Impact notched, 1/8 in	180	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	131	°C	ASTM D 3418
Vicat Temperature	124	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	952	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Zone 1	180 - 220	°C	-

Characteristics

Processing

Film Extrusion

Regional Availability

Asia Pacific

Applications

General Purpose