POLYMY
MEETING EXCELLENCE

TECHNICAL DATASHEET

HDPE EX5

Analysis:

Typical Properties	Method	Value	Unit
Mass density (23˚C)	ISO 1183	0.949	g/cm³
Melt Flow Rate (190˚C/5.0kg)	ISO 1133	0.28	g/10min
Melt Flow Rate (190˚C/21.6 kg)	ISO 1133	8	g/10min
Stress at Yield	ISO 527	24	MPa
Stress at Break	ISO 527	35	MPa
Softening Temperature	ISO 306	75	˚C
Brittle Temperature	ASTM D746-72	< - 80	˚C
Shore D hardness	ISO 868	60	-
Max. tensile strength MD / TD	ISO 527	45/40	MPa
Tear strength MD / TD	ISO 6383-2	200/450	m N
Max. elongation MD / TD	ISO 527	400/450	%
Dart Drop Impact	ASTM D 1709	220	g