



Technical Data Sheet

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Product Description

VX558 is a new generation Metallocene medium density polyethylene and is suitable for the moulding of items where good flow, surface finish and impact strength is required. The catalyst technology leads to superior mechanical properties as well as faster sintering and processing when compared to conventional rotational moulding grades.

VX558 is compliant with the U.S. Food & Drug Administration regulation 177.1520

VX558 contains a long term UV8 stabilisation package.

VX558

Metallocene LMDPE Rotational Moulding Resin

Melt Flow Index: 5.0
Density: 0.938

Typical Applications

Water Tanks
Kayaks
Pallets

Physical Characteristics

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	5.0	g/10 min	ASTM D 1238
Density	0.938	g/cm ³	ASTM D 1505
ESCR Condition A F50 (100% IGEPAL)	>1000	Hrs	ASTM D 1693
ESCR Condition A F50 (10% IGEPAL)	TBA	Hrs	ASTM D 1693
Flexural Modulus (1% Secant, 12.7mm/min)	790	MPa	ASTM D 790
Tensile Strength at Yield (50mm/min) ³	18	MPa	ASTM D 638
Elongation at Break (50mm/min) ³	>800	%	ASTM D 638
ARM Impact Strength (3.2mm sample at -40 C) ²	-	J	ARM
Shore Hardness	65	Shore D	ASTM D 2240

Data values shown are average values for the base resin and should not be used for specification limits.

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Please be guided by your own tests to determine the suitability of the product for each particular application.