



# ACD RotoFlo

PO BOX 92, SUNDOWNER, RANDBURG, 2161

PRODUCT DATA SHEET

## H 509 UV 25

## Flame Retardant

### Rotational Moulding

MELT INDEX : 5      DENSITY : 0.939

#### FEATURES

Good rigidity  
Excellent impact strength  
Excellent chemical resistance  
Good ESCR  
Heat and UV resistant  
Tough and abrasion resistant  
Available in many colours  
Flame Retardant

#### ADDITIVES

Antioxidant  
UV stabilized for 25 years  
Internal mould release  
Flame retardant additive

#### APPLICATION

Underground Applications  
Electrical Boxes  
Outdoor Mouldings

### PERFORMANCE PROPERTIES – M359

TEST	VALUE	UNIT	TEST METHOD
MFI (190° C/2.16kg)	5	g/10min	ASTM D1238
Normal density	0.939	g/cm <sup>3</sup>	ASTM D1505
Tensile strength at yield	21	MPa	ASTM D638 <sup>1)</sup>
Tensile strength at break	21	MPa	ASTM D638 <sup>1)</sup>
Elongation at break	800	%	ASTM D638 <sup>1)</sup>
Flexural modulus	730	MPa	ASTM D790
ESCR F <sub>50</sub>	>500	Hr	ASTM D1693 <sup>2)</sup>
Impact energy at -40°C	35	J/mm	ASTM D3029 <sup>3)</sup>
Vicat softening temperature	126	°C	ASTM D1525
Shore D hardness	61	Shore D	ASTM D2240
Heat distortion	74	°C	ASTM D648
Average particle size	400	Micron	ARMO METHOD

*This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.*

