



SE11CC70

ELASTOMER: HIGH-RANKING EPDM (BLACK)

DENSITY: 1.13 +/- 0.05

ADVANTAGES: Great mechanical properties, and especially a good break and abrasion resistance; stands ageing very well, ozone, cold and heat; conductive and non-staining sheet.

APPLICATIONS: Gaskets and washers cutting ; making several parts in contact with : water (140°C maximum), oxidizing acids, sulphuric acids (concentration ≤50%, +20°C maximum), non-oxidizing acids , hydrochloric acids (concentration ≤20%, +20°C maximum), bases and aliphatic alcohols (+20°C maximum)

	Measured characteristics	Unit	Control method	Obtained value	Symbol according to the NFT 47-402 standard
MECHANICS	<i>Elastomer</i>			EPDM	2
	<i>Density</i>	Kg/dm ³	NFT 46-030	1.13+/-0.05	
	<i>Hardness DIDC</i>	Degree	NF ISO 48	70 +5/-4	7
	<i>Break resistance (Rr)</i>	MPa	NFT 46-002	≥ 10	10
	<i>Elongation at break (Ar)</i>	%	NFT 46-002	≥ 200	
	<i>Break (Rd)</i>	kN/m	NFT 46-007	≥ 25	
	<i>Abrasion (1daN load)</i>	mm ³	DIN 53-516	≤ 200	
	<i>Persistent distortion After compression (DRC) 22h, 70°C</i>	%	NFT 46-011	≤ 30	B1
ASTM D573 AGEING	ΔRr/Rr after 7 days, 70°C	%	NFT 46-004	≤ -20	A2
	ΔAr/Ar after 7 days, 70°C	%	NFT 46-002	≤ -30	
	Ozone resistance 200ppcm, 72h		NFT 46-019	No crack	C3
TEMPERATURE	Use Temperature	°C	NFT 46-018	-45/ +120	
	Cold resistance	°C	NFT 46-018	-45	
RESISTANCE TO ASTM D471 OILS	Oil resistance n°1 :				
	ΔRr/Rr after 70h, 100°C				
	ΔAr/Ar after 70h, 100°C				
	ΔV/V after 70h, 100°C				
	IRM 903 :				
ΔRr/Rr after 70h, 100°C					
ΔAr/Ar after 70h, 100°C					