

DMH 357 FPM black 73 Mechanical, Physical and Thermal Properties

Fluoro Rubber

properties	condition	standard	unit	unit	unit
colour				black	black
hardness	23°C/3 sec.	ISO 868	Shore A	73 ± 5	73 ± 5
hardness	23°C/15 sec.	ISO 868	Shore A	71 ± 5	71 ± 5
modulus 100%	23°C	DIN 53 504	MPa	≥ 3	≥ 435
tensile strength	23°C	DIN 53 504	MPa	≥ 9	≥ 1305
elongation at break	23°C	DIN 53 504	%	≥ 250	≥ 250
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 5	≥ 28
spec. gravity	23°C	ISO 1183	kg/m ³	2160	2,16
rebound elasticity	23°C	DIN 53 512	%	8	8
abrasion	23°C	DIN 53 516	mm ³	216	216
compression set	*	ISO 815	%	≤13	≤13
compression set	**	ISO 815	%	≤13	≤13
compression set	***	ISO 815	%		
minimum service temperature			°C	-20	-4
maximum service temperature			°C	210	410
temp. max water/steam			°C		
temp. max hot air, short-term			°C	280	536

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 175°C 25% def.

Chemical Properties

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH GmbH

revision: 04-2020